



cently, a man limited his ting to his home town. sometimes searches the . Tomorrow's job markets opportunities - will be

rision will make it posan omployer in Busnos interview a job seeker ladelphia. New Yorkar uervo has already nioin this direction, inter-

applicants for Civil utics Administration poover a 2-way closed cirid Cuervo: "Dress, bearnner and ability can be over television about as ely as in personal inter-

Week: Wall in the Sky



- LIBER THAN WE THINK by Radabaugh

SATELLITE SPACE STATION

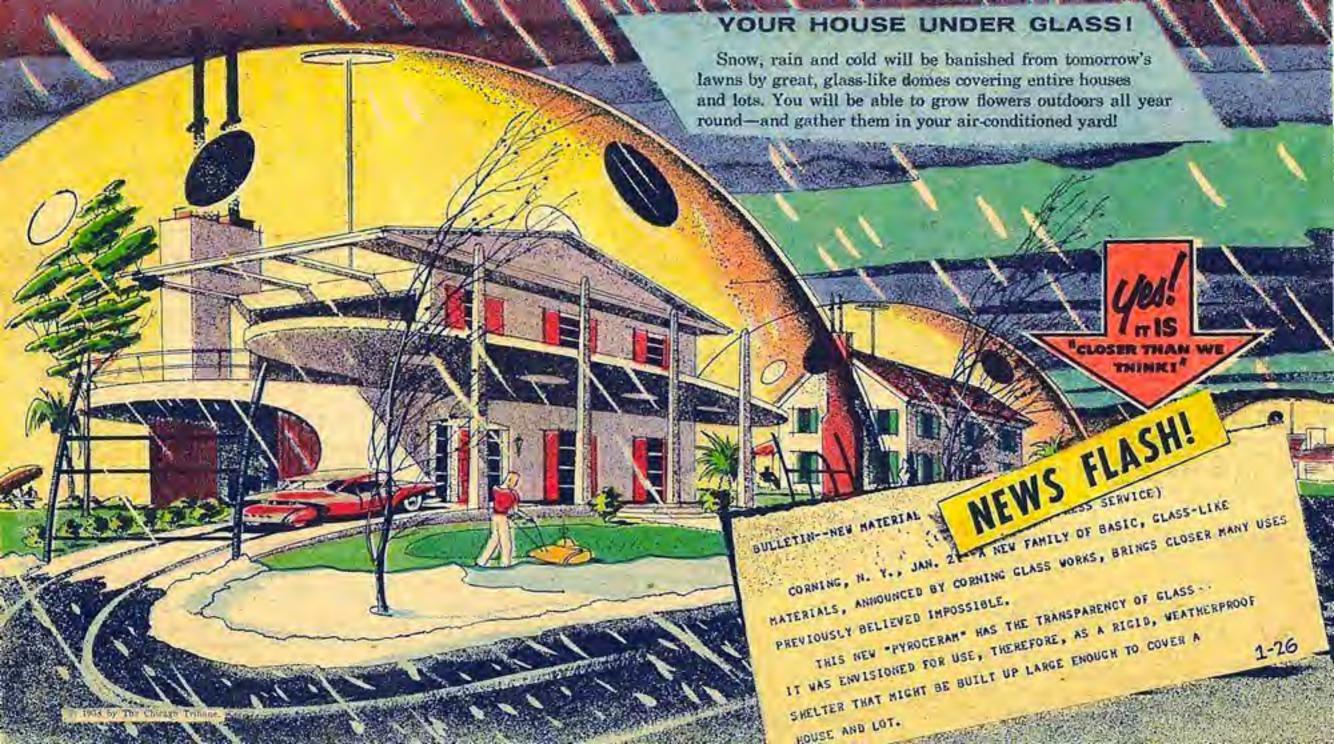
The far reaches of space are no longer distant. Space stations, anchored in the sky beyond the full pull of gravity, are being planned today. They'll be the next, nearby step after man-made satellites have proved themselves.



BULLETIN--LET

NEW YORK, JAN. 10-WILLY LEY, FAMED ROCKET EXPERT, DESCRIBED IN A SCIENTIFIC PAPER HOW A MANNED SPACE STATION COULD BE SET UP BEYOND THE GRAVITY FIELD OF THE EARTH.

THREE-STAGE ROCKETS, HE SAID, WOULD BE ABLE TO LEAVE THE EARTH'S ORBIT CARRYING PARTS ABOARD FOR THE STATION. A DOZEN SUCH FLIGHTS, HE ESTIMATED, WOULD PROVIDE ENOUGH COMPONENTS TO ASSEMBLE THE STATION. THE STATION WOULD THEN BE USABLE FOR FURTHER STEPPING STONES INTO SPACE.



··· CLOSER THAN WE THINK !!



HOUSE THTO STORY MORE ARRESTS POSES FOR PEOPLE EXCHINEDE.

··· CLOSER TH<mark>AN WE THINK !</mark> ROCKETING TO MARS Tomorrow's voyages of discovery may change our way of life even more than Columbus dot in 1492. All space awarts rapidors. tion. Giant space ships will soar to Mars and beyond. Our armed forces are busy with research projects to make apace travel completely feasible. One objective is a revolutionary hand of power, ion propoleion -so new its existence is known Dr. Ernst Studinger, famed Army space theoretican, has only to a few scientists. briefly described for propulsion. Ions (which are unbehanced atoms, like those in a fluorescent lamp) would be "shot" from a ship's tall. The recoil, like a ribes, would create required speed and navigational control.





WEATHER CONTROL In years to come, there will be satellite equipment for

forecasting-as well as controlling-the weather. The effects of air and humidity masses can be calculated more precisely from above. Sunspots, solar rays and other space disturbances will be more easily observed and studied. And sensitive sighting and analysis devices will make long range predictions highly accurate.

Control of weather is the next step. In the words of Dr. I. M. Levitt, Director of the Fels Planetarium at the Franklin Institute: "In time, huge solar mirrors five or more miles in diameter may be used to reflect radiation of the sun to specific areas on earth to increase evaporation and te prevent crop-killing frosts."

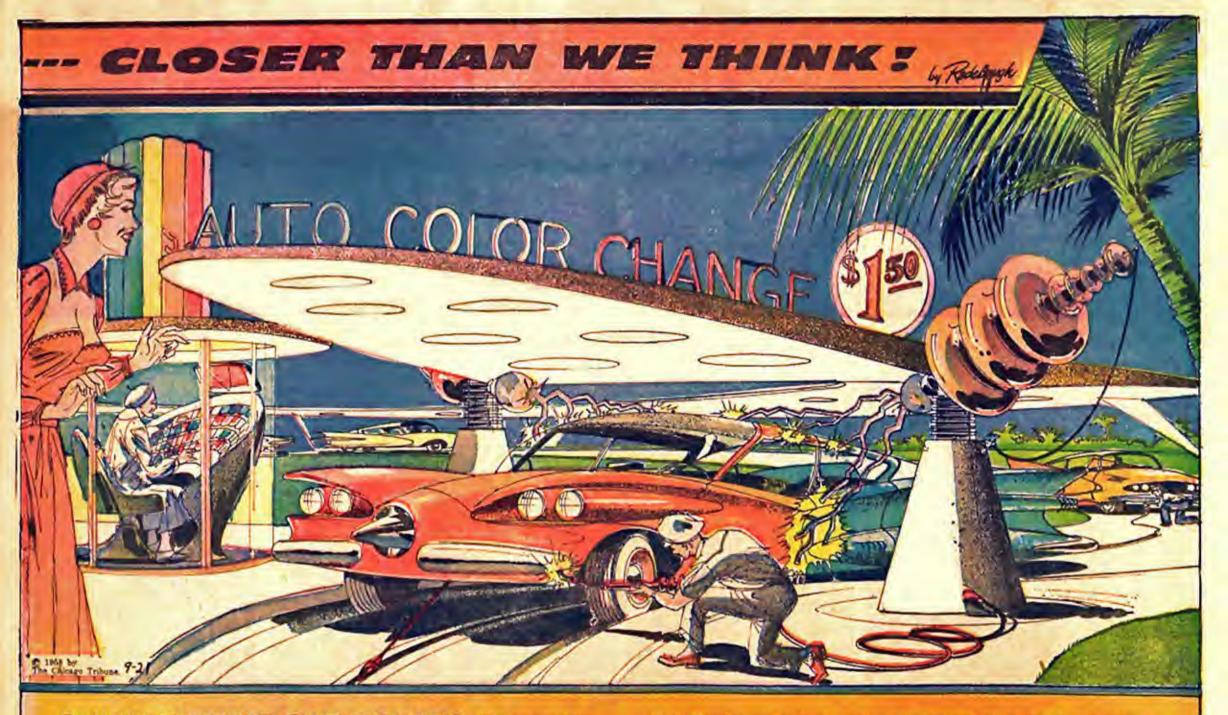


FISH BOWL SWIMMING POOL Today's spectators can sate face of a swimming pool only through windows or portholes below the water line. But tomorrow's vacationers will be able to do far better. Pools in transparent structures above this ground will enable observent to relax alongside

and have the fun of watching underwater squatic frolicking at the same time.

This in the air pool for swimming in the future is shaped like a cocktail glass or the bottom half of a fish bowl. It is reached by a circular ramp

glass or the bottom half of a fish bowl, it is reached by a circular ramp leading to platforms and diving boards—a highly decorative addition to the grounds of tomorrow's pleasure resorts.



QUICK-CHANGE CAR COLORS The automobile industry is studying a new kind of specially sensitive car body finish whose color can be changed at will. An electromagnetic gun would emit rays that would instantly "repaint" the car in any desired hue or combination—perhaps to harmonize with milady's new fall outfit.

D. S. Harder, retired executive vice-president at Ford, recently described research in this direction. He added that this new kind of "photosensitive" surface would also be self-cleaning—with the milent energy of static electricity or a supersonic vibrator driving off all dust and dirt.





SATELLITE SUBMARINES A whole new world under the sea remains unexplored. but fomorrow it may be examined in detail through the use of king size atomic powered submarines acting as mother ships for clusters of one-man underwater runabouts. Perhaps these little satellite subs may even enable man to discover the supposedly mythical sunken continent of Atlantis!

"Personal" automarines are aiready under development, a major researcher in this field is the missile making General Aerojet Company. They are to be watertight, searchlight-equipped, highly maneuverable, Price? Plenty—at first, but tomorrow's mass production could put them within reach of skin divers, deep sea fishermen, treasure hunters and others.



ATOMIC AUTOMOBILES. Abben. or registers are slowly wellinging as abstact "prince per" that might he able to delet the moneyter of the finisher. The same second for halped for a producted froming half and might entire file a territory; it would be reducted when accoming as a protection.

A Francis (and committee arrange, Fr. John) and Co., brings on phone metabor

proving and elected purpose beared at such what Correctional shock, purpose, the corrections shall and delicental small be admissed.

And at the York Mann (**), they have require designed the "Confeas" with an extra proper property investment is indicated one, but would draw a determine twice conserved that it whomas may findly thought W. Weekler "might be allow to form 1670 miles of some remain realizating." Here peak Memp the Se-



ROBOT DRIVING

Plans have already been perfected for control devices that will make intercity driving completely automotic

One system, devised by RCA's famous Vladimir Zworykin, has been tested on a Nebraska public highway. Buried cables and loops of wire radiate signals that guide a specially equipped car and dictate its speed. General Motors has demonstrated robot driving with this system.

Another type of design would employ a stainless steel strip in the center of a thruway traffic lane. You'd drive over it, then push a button to start a magnetic follower electronically governed by the strip. The car would thus guide itself; and sensing devices would prevent collisions fore and aft.

The day when we can play cards or take a nap while driving is closer than we think!

> Next toech: Reinvenated Downtowns





ALL-SEEING EYE Camera rockets will invade space hefore man does. They will carry equipment like that which now photographs the skies at distances of more than two billion light-year away, using new types of spherically

shaped film that produce sharper pictures.

Eastman Kodak's general manager, Donald McMaster, recently described how these cameras will operate. Automatic machines with focal lengths of nine feet or more will photograph inaccessible surfaces, like the dark aide of the moon shown here, Film will be developed in space, and a TV system will flash imagea back to earth, far sharper than could be achieved by direct television transmittal.

Next week: Highway to Russia

CLOSER THAN WE THINK!

HIGHWAY

TO RUSSIA Sen. Magnuson of Weshington has

newsat state, Alaska with Schema via a bridge fit vehicular toposi across the 30- to 40-mile stretch of shallow waters of the Bering Strait. It would go from Wales on the tip of Seward Personnels, to Little Dio made and But Daymede Islands

The Senator forecasts this bookas well-broad our rediction

source exerting fractionary recomming on effective t as New York and Pans, "I see conviscad." he save "that the tropiets who one day will stress this route

Next week: Plastic Schoolhouses





ORBITAL BOMBING

Washington's Advanced Research Projects Agency is working on a system of bombing from space, directed by pushbutton controls on earth.

A retrievable booster would propel

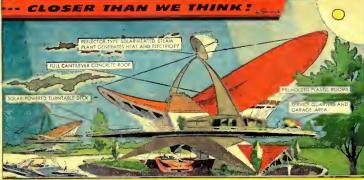
atomic bomb warheads into space, one after the other. They would circle the earth indefinitely, until a need arose. Then they could be instantly directed onto designated targets with nearly perfect accuracy.

North American Aviation's Rocketdyne

Division is working on a giant booster vehicle developing 1,500,000 lb. thrust—largest yet assigned by the Agency. Once such vehicles become retrievable, orbital bombing would be entirely feasible.

Next week: "All-Service" Stations

THE STAR WEEKLY, TORONTO, MAY 2, 1959



FOLLOW-THE-SUN HOUSE Don't be surprised if many of iomorrow's homes are built on turntables. They would slowly pivot all day long to receive maximum benefit from health-giving sun rays and insure heat in winter. This warm and colorful year-round design is adapted from an aluminum firm a number house which has been attuied and admired by architects. It would be built, together with a patio, over a service and design area.

Ground and living levels would connect through a glass-enclosed staircase. Two-way glass could bring the outside view to those on the inside, while proteoring the latter from inquisitive passersby. Next neek: Sace Farmers





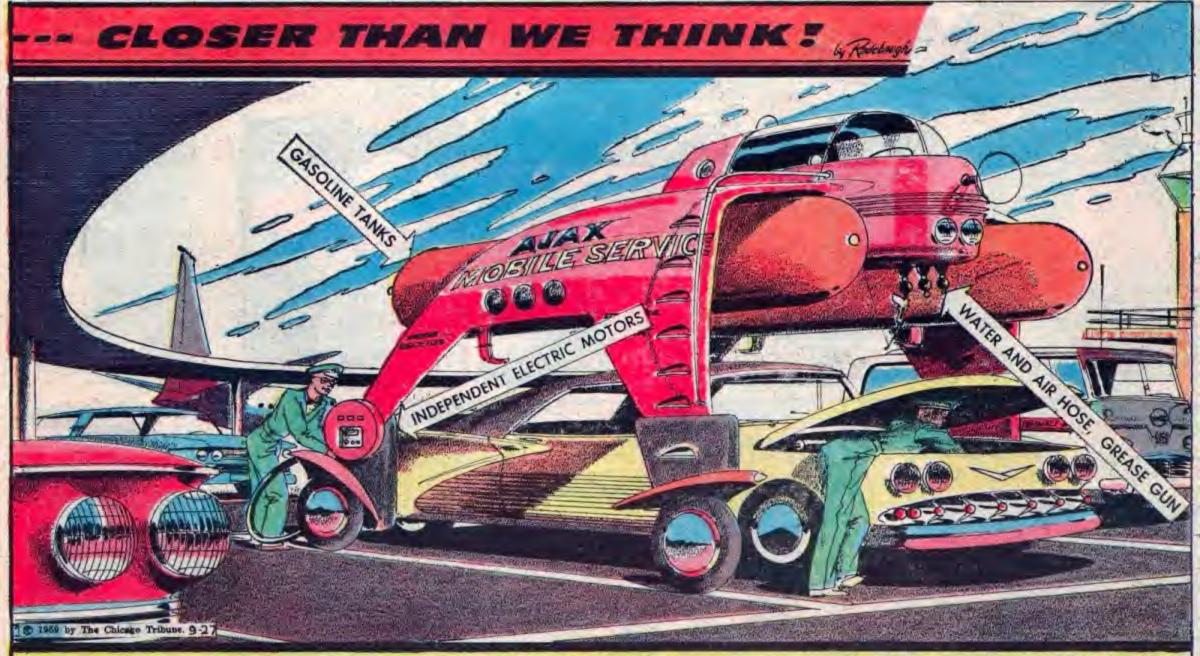


POOR MAN'S VACHT The hunry of sachting may be within the reach of almost svervone in the world of tomorrow.

within the reach of almost symptom in the world of tomorrow.

Mass production of low-cest plastic hulls will be made possible by the
use of guns that spray the plastic, similar to the "Fiber-Resin Depositor"
as conceived by the Rand Devolutional Corporation.

The family our wall be used for motive power. When the yenherman of the future drives his note late the craftle of this new marine creation the regime will be in place. The rear whoels will rest on a roller linked to the propeller. The driver will put the cur in gent, step on the nurolerator, and pentsts—bit in synthing;



MOBILE GAS STATION

Traveling gasoline tanks, hauled by carts similar to those used on golf courses, will soon be operated in southwestern shopping centers after testing near Oklahoma City.

Looking further into the future, however,

such mobile units might function about as completely as do today's superservice stations. They would carry all grades of gasoline, blended by a pump control like those now found at some stations. They would also check oil, batteries and tires—even do minor repairs if needed.

If and when electric cars come back onto the motoring scene (which may be soon, according to many authorities) these mobile service stations would quick-charge their batteries.

Next Week: Glider-Slider Bus-Trains

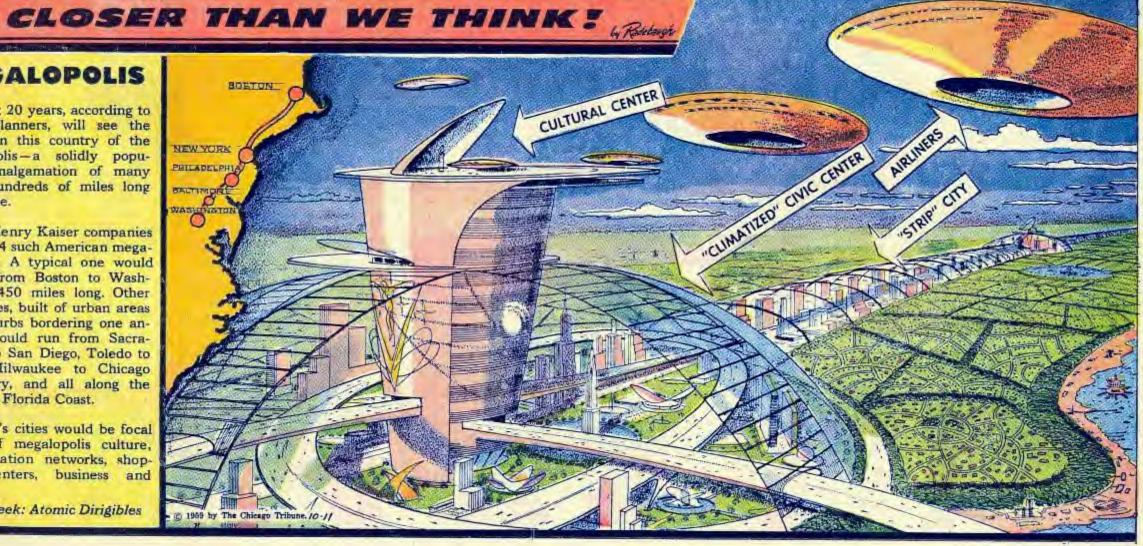
MEGALOPOLIS

The next 20 years, according to urban planners, will see the growth in this country of the megalopolis-a solidly populated amalgamation of many cities, hundreds of miles long and wide.

The Henry Kaiser companies predict 14 such American megalopolises. A typical one would extend from Boston to Washington-450 miles long. Other strip cities, built of urban areas and suburbs bordering one another, would run from Sacramento to San Diego, Toledo to Flint, Milwaukee to Chicago and Gary, and all along the southern Florida Coast.

Today's cities would be focal points of megalopolis culture, transportation networks, shopping centers, business and finance.

Next Week: Atomic Dirigibles



CLOSER THAN WE THINK!

THE SNO-MELTER

Snow piles and drifts on highways and turnpikes may soon be a thing of the past. Esso Research and Engineering Company has already devised a system for clearing urban roadways that is reported to be cheaper than under-payement steam or electric cells. A trough is built alongside the road and kept half-filled with water which is heated by oil and air fed units at the bottom. Snow channeled into the trough melts instantly.

Variations of this system can be evolved for cross-country roads. Flame belching snowmelting highway equipment is even now on the drawing boards.

> Next week: Circle Runways





immobilize whole cibes or battle areas in tomorrow's warfare. The Chemscal Corps knows about a complete assent of "nerve gases" that can make fighting men and ambattled interery as happy and peaceable as hids playing tag. Lt. Qen. Arthur Trudeau, chief

WARFARE

of Army research and development, is worned about nomble attacks with these drugs. He fears the United States mucht become a victim. "The Soviet has 15% of its munitions ro chemicals," he said, "I think psycho-chemicals are the coming weapon - we are missing out it we don't capstalize on them."

Next week: Rebuilding People





DEODLE

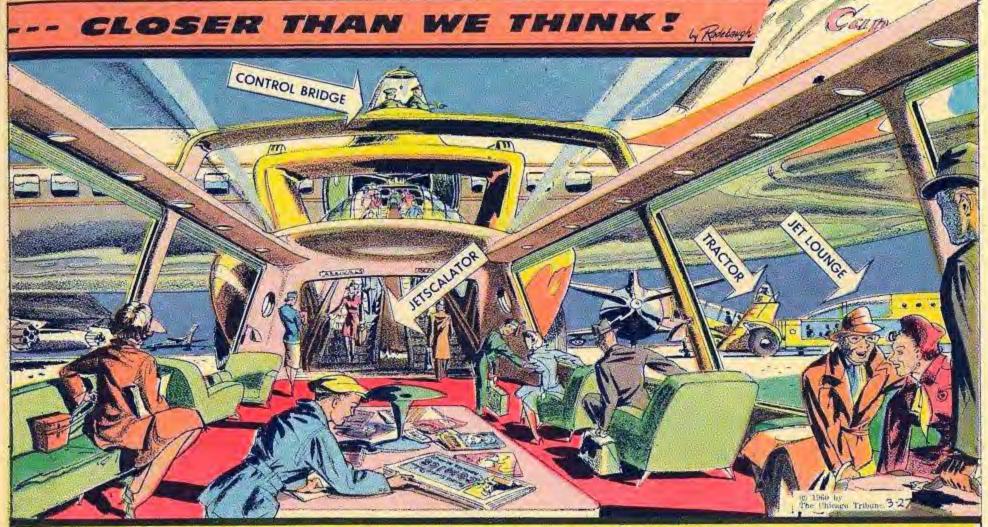
Doctors are looking ahead to the time when man-made substitutes will replace many sections of the homen body: and in tomorrow's world bostitals may stock many amthetic homen parts just as they have blood and bone hanks

Tiny valves now used in space mechanisms will strengthen defactive hearts Plastic meshes are hains tested to rainforce week chest and abdominal scalls. Other plastics are undergoing experimentation as "trellises" along which arteries will rebuild

themselves Hospitals of the future may well be warehouses of spare human ports as well as head-

quarters for "installing" them Next week: Boytopia





THE JETSCALATOR

Jet planes and the number of passengers they carry are getting bigger and bigger.

Distances between terminals and loading docks are getting longer. The answer is a traveling waiting room with a moving

ramp. Such a project is already being developed by the Chrysler Corporation, and it may be used at the new Washington, D.C., terminal now being designed by Eero Saarinen.

The "jetscalator," as it might be called, would move on wheels higher than a man.

It would have an up-or-down ramp and capacity for about 100 people. When departure time is at hand, travelers wouldn't have to stir from their chairs—they'd be transported in the "jetscalator" right to the side of the plane.

Next week: Cellar-size Scoopers



24-HOUR AYLIGHT

to light up tomorrow's cities rican scientists are currentndering an idea along those that was first described in nical papers by George t. a Russian.

endix researcher Donald hie recently reported that of light-actually minuasuns - might be created by sine huge transmitting deso that the rays they gener would cross pach other and uce alectromagnetic fields. e luminous fields could be to light up large areas uneath them. Rays would be ted as necessary to deterexactly where the artifi-"sunlight" would fall.

Next week: Missile Movers





be able to talk in English and be understood by a Japanese who by an Ottoman Tittle who's acquarted with his own lavanage and no other A robot translatore machine

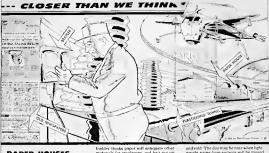
aut Air Face, Right now it merates at only 40 words ner minute and is bulky and complicated. But manualungation, combined with magnetic tane, apprents far more diamatic possibilities for the future-a translature box that might fasten to one vernecular and instantly relay a verbal translation Any language would thes be usable anywhere, une

> Next week Honeycomb Hosostets









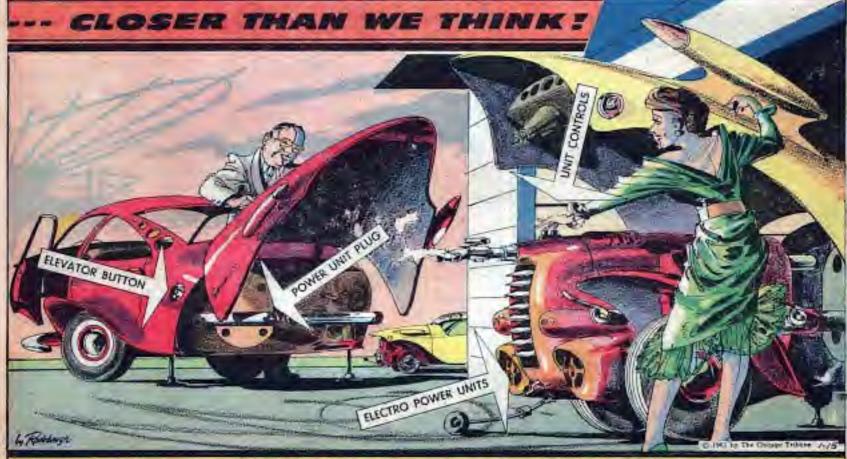
PAPER HOUSES

Great strides in research bring nearer a day when paper will take its place as a structural material for homes and other small buildings In fact, a California materials for residences, and he's put up one home to prove it

The paper is sprayed with a plasticizer which seals it and makes it fire resistant and waterproof. The paper's own remarkable insulating qualities help result heat weight paper-base sections will be moved through plasticians tunnels then transported by belicopter direct to building

sites!

Next week. Family Car Fleet



FAMILY CAR FLEET

A different car for every need-that's what Detroit expects will be the rule in the world of tomorrow.

Many of the top automotive engineers

predict that family car fleets will consist of at least three vehicles. One of these would be a heavy, high-speed thruway cruiser. The second, a station wagon for all-round family use. The third, a small car for nearby errands and personal use. Yet this fleet needn't entail triple cost to

the owner. Savings would be realized through use of an electric generator unit, easily moved from vehicle to vehicle so that any power or speed requirement could be met.



THE VISAPHONE

It won t be long belore you'll be able to see as well as hear the person you're phoning Recent Bell Telephone Lab paients point the way—and here's how

night work A picture screen about the size of a silver dollar would be mounted on the phone stand, and a small privible camcia, similar to those used in today's television, would be aimed at you—or anywhere in the room. As soon as you dialed your number and got an answer, your reserror would be a unavaited, along the wires together with your voice, and of course you of receive a picture from the other end, also Either party would be able or switch off the image rumanission if he desired, or either could a ord being permed simply by learning our of range of the comen.

CLOSER THAN WE THINK:

SPACE MONKEY COLONIES

Problems of living for long periods in space-as in interplanetary flights to Venus-can only be approximated here on earth with projects like "Mercury." Plans are therefore being considered to put monkey (or mouse) colomes into extended space trips, to study the effects of such travel on physical and pervous systems

Periodic examinations would uncover the effects of radiation. basic diets, etc. New instrumentabon, says one expert, would make possible the long-range monitoring of these conditions -perhaps transmitted from outer space to the control console of a diagnostic center on earth Findings thus uncovered would be far more helpful than anything obtainable at present.

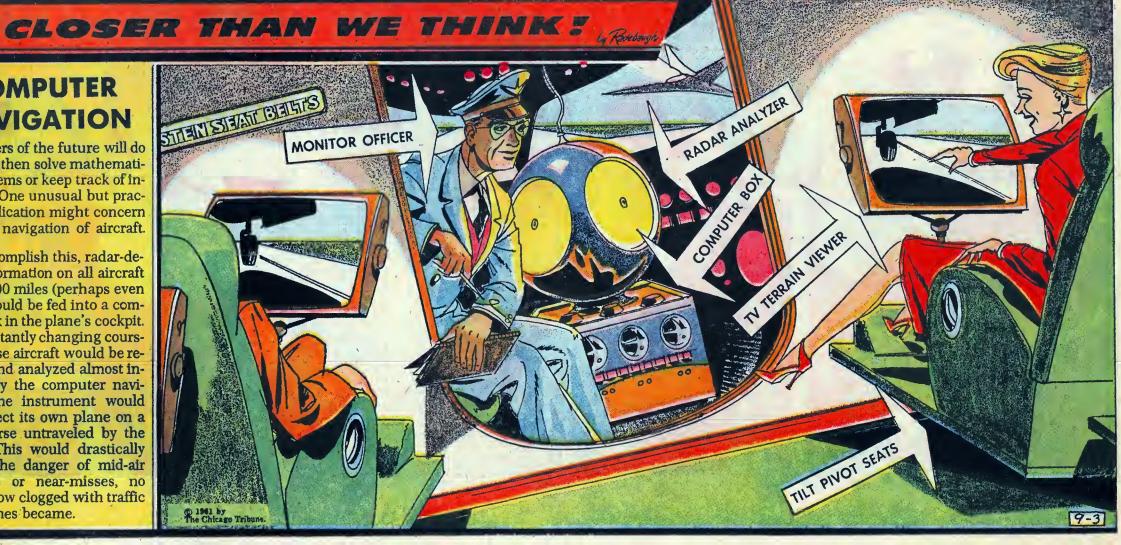




COMPUTER NAVIGATION

Computers of the future will do far more then solve mathematical problems or keep track of inventory. One unusual but practical application might concern the safe navigation of aircraft.

To accomplish this, radar-derived information on all aircraft within 100 miles (perhaps even more) would be fed into a computer box in the plane's cockpit. The constantly changing courses of these aircraft would be recorded and analyzed almost instantly by the computer navigator. The instrument would then direct its own plane on a safe course untraveled by the others. This would drastically reduce the danger of mid-air collisions or near-misses, no matter how clogged with traffic the airlanes became.









INSTANT TRAILBLAZERS

Control of the atom can mean breathtaking changes in our ways of doing things. For example, take a new method of building highways envisioned by the editor of the magazine, 'Public Works."

This writer anticipates that tomorrows roads will be created in long, continuous strips wherever desired, by using a traveling atomic reactor. The reactor would direct degrees—on the route laid along the ground. The rays would five the earth into a rock-

hard, glass-smooth surface, usable as a highway as it cooled. Such "instant" highways would obsolete today's problems of thick congestion and irritating detours while new





MECHANIZED STADIUM The stadium of tomorrow might very well be adaptable to a variety of athletic and other events, thereby solving a practical problem that has long plagued sports promoters.

The mechanized arena depicted here contains self-propelled sectional grandstands made of a new lightweight high tensile aluminum. Such seating areas would be maneuverable and could be properly positioned for the event

at hand with little difficulty. Thus the stadium would be as suitable for a baseball game as it would be for football, boxing or hockey.

And not only would such a stadium bring spectators right up to where the action took place—but as an added touch there might be an adjustable mobile glass roof to protect them from the elements.

Next week: "Turnpike Jet Lines"



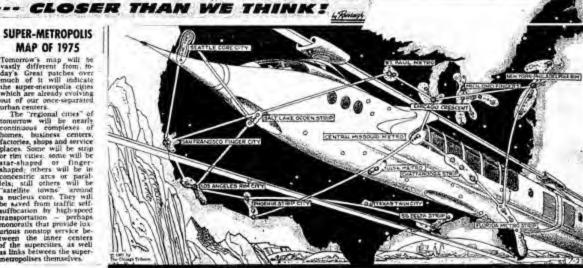




SUPER-METROPOLIS **MAP OF 1975**

Tomorrow's map will vastly different from today's Great patches over of it will indicate the super-metropolis cities which are already evolving out of our once-separated urban centers.

The "regional cities" of be nearly homes, business centers. factories, shops and service places. Some will be strip or rim cities: some will be a nucleus core. They will be saved from traffic selfsuffocation by high-speed transportation monoratis that provide lox urious nonstop service beof the supercities, as well as links between the supermetropolises themselves.









··· CLOSER THAN WE THINK!



THROW-AWAY CLOTHES

Do your clothes need to be cleaned or washed? Are you tried of the old pat terms or colors? In the future, if your answer to any of these questions is yes, you'll simply throw the old clothes awayand maybe knode a camp tire with them Much of temorrow's wearing appared may be made out of treated paper, intended for use a few times, then for discard The Quartermanter Corps is already investigating the use of such processed apper for parachites disposable unit forms, pup sents and other shelters It wears well, and its insulating qualities make it usable in all kinds of weather

> Next Week: Gluepot and Wire Construction